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**UTILITY**  
**PATENT APPLICATION**  
**TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 015114-065200US

First Inventor Bain, Peter

Title FAST PARALLEL CALCULATION OF CYCLIC REDUNDANCY CHECKS

Express Mail Label No. EV 346 928 188 US

2011 U.S. PTO 1044223

08/19/03

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning design patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 21]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C.113) [Total Sheets 15]

5. Oath or Declaration [Total Pages 1]

a.  Newly executed (original or copy)  
b.  Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)

DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

7.  CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a.  Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i.  CD-ROM or CD-R (2 copies); or  
ii.  paper number of pages  
c.  Statements verifying identity of above copies

**ADDRESS TO**Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**ACCOMPANYING APPLICATIONS PARTS**

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(b) Statement  Power of  
(when there is an assignee) Attorney

11.  English Translation Document (if applicable)

12.  Information Disclosure  Copies of IDS  
Statement (IDS) PTO-1449 Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16.  Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent  
Other:

17.

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP)

Prior application information: Examiner \_\_\_\_\_

of prior application No: \_\_\_\_\_

Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS** Customer Number

26059

OR  Correspondence address below

## Name

## Address

## City

## State

## Zip Code

## Country

## Telephone

## Fax

Name (Print/Type)	J. Matthew Zigmant	Registration No. (Attorney/Agent)	44,005
Signature		Date	August 19, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments or the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450. 60020461 v1

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Complete if Known

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT | (\$ ) 834

## Application Number

## Filing Data

First Named Inventor Bain, Peter

## Examiner Name

## Art Unit

Attorney Docket No. 015114-065200US

## METHOD OF PAYMENT (check all that apply)

 Check  Credit Card  MoneyOrder  Other  None

Deposit Account Number

20-1430

Deposit Account Name

Townsend and Townsend and Crew LLP

The Commissioner is authorized to: (check all that apply)

 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.
 

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
		1051	130	2051	65	Surcharge - late filing fee or oath	
		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
		1053	130	1053	130	Non-English specification	
		1812	2,520	1812	2,520	For filing a request for reexamination	
		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
		1251	110	2251	55	Extension for reply within first month	
		1252	410	2252	205	Extension for reply within second month	
		1253	930	2253	465	Extension for reply within third month	
		1254	1,450	2254	725	Extension for reply within fourth month	
		1255	1,970	2255	965	Extension for reply within fifth month	
		1401	320	2401	160	Notice of Appeal	
		1402	320	2402	160	Filing a brief in support of an appeal	
		1403	280	2403	140	Request for oral hearing	
		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
		1452	110	2452	55	Petition to revive - unintentional	
		1453	1,200	2453	650	Petition to revive - unallowable	
		1501	1,300	2501	650	Utility issue fee (or reissue)	
		1502	470	2502	235	Design issue fee	
		1503	630	2503	315	Plant issue fee	
		1460	130	1460	130	Petitions to the Commissioner	
		1807	50	1807	50	Petitions related to provisional applications	
		1808	160	1808	180	Submission of Information Disclosure Stmt	
		8021	40	8021	40	Recording each patent assignment per property (time number of properties)	
		1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(e))	
		1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	
		1801	750	2801	375	Request for Continued Examination (RCE)	
		1802	900	1802	900	Request for expedited examination of a design application	
		Other fee (specify) _____					

SUBTOTAL (2) (\$84)

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)

\* or number previously paid, if greater; For Reissues, see above

## SUBMITTED BY

Complete if applicable

Name (Print/Type)

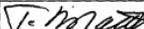
J. Matthew Zigmant

Registration No. (Attorney/Agent)

44,005

Telephone 650-326-2400

Signature



Date August 19, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and sending the completed form to the USPTO. This burden will vary depending upon the individual circumstances. An estimate of the time you require to complete this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 60020465 V1

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**NONPUBLICATION REQUEST  
CERTIFICATION  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor	Peter Bain
Title	Fast Parallel Calculation of Cyclic Redundancy Checks
Atty Docket Number	015114-065200US

I hereby certify that the invention disclosed in the attached application **has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.**

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

August 19, 2003

Date



Signature

Reg. No. 44,005

J. Matthew Zigmant

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(ii)).**

**Burden Hour Statement:** This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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